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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): ALI SHAKOURI ET AL.				Docket No. UC01-161-2	
				0001-101-2	
Serial No.	Filing Date	Examiner		Group Art Unit	
10/039,290	January 4, 2002	Lxammer		2877	
	• '	January 4, 2002			
Invention: SUBMIGRAN THERMAL IMAGING METHOD AND ENHANCED RESOLUTION (SUPER-RESOLVED) ACCOURSED IMAGING FOR THERMAL INSPECTION OF INTEGRATED CIRCUITS WAR 1 9 2002					
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Applicant(s): ALI SHAF	UC01-161-2				
Serial No.	Filing Date	Examiner	Group Art Unit		
10/039,290	January 4, 2002		2877		
Inventor: EAUBMICRON THERMAL IMAGING METHOD AND ENHANCED RESOLUTION (SUPER-RESOLVED) MAR 1 9 2007 MAR 1 9 2007 Citations (20) (Identify type of correspondence)					
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on March 19, 2002 (Date)					
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	e.		Docket Number (Optional)	Application Number			
INFOOMATION DISCLOSUDE CITATION			UC01-161-2	10/039,290			
INFORMSTION DISCLOSURE CITATION (USE several sheets if necessary)			Applicant(s) ALI SHAKOURI ET AL.				
	MAR 1	9 2002	Filing Date JANUARY 4, 2002	Group Art Unit			
•EXAMIN		OTHER DOCUMENTS (Including Author, Ti	tle, Date, Pertinent Pages, Etc.)				
	INITIAL BASES (Including Author), Tale, Date, Terment Tages, Etc.) Bases, J. et al.; "SUBSURFACE MICROSCOPY OF BIASED METAL-OXIDE-SEMICONDUCTOR FIELD EFFECT TRANSISTOR STRUCTURES: PHTOTHERMAL AND ELCTROREFLECTANCE IMAGES," Sensors and Actuators,						
•		TRANSISTOR STRUCTURES: PHTOTHERMAL AND ELCTROREFLECTANCE IMAGES," Sensors and Actuators,					
		A71, pp. 40 thru 45, (1998).					
		Claeys, W. et al.; "THERMOREFLECTANCE OPTICAL TEST PROBE FOR THE MEASUREMENT OF CURRENT					
		INDUCTED TEMPERATURE CHANGES IN MICROELECTRIC COMPONENTS," Quality and Reliability					
		Engineering Internationak, Vol. 9, pp. 303-308, (1993).					
		Csendes, A. et al.; "THERMAL MAPPING WITH LIQUID CRYSTAL METHOD," Microelectronic Engineering,					
		Col. 31, pp. 281-290, (1996).					
		Cutolo Antonello: "SELECTED CONTACTI ES	S OPTODI ECTRONIC MEASUREM	ETNS FOD			
		Cutolo, Antonello; "SELECTED CONTACTLESS OPTOELECTRONIC MEASUREMETNS FOR					
		ELECTRONIC APPLICATIONS (Invited)," Review of Scientific Instruments, Vol. 69, No. 2; pp. 337-360, February, 1998.					
		Garfinkel, J. et al.; "PIEZOREFLECTIVITY OF	THE NOBLE METALS." Physical Re	eview. Vol. 115. No. 1;			
		pp. 695-706, August, 1966.	,,	,			
	-11-	Goodson, K.E. and Ju, Y.S.; "SHORT-TIME-SCA	LE THERMAL MAPPING OF MIC	RODEVICES USING A			
	146	SCANNING THEROREFLECTANCE TECHNIQUE," Transactions of the ASME, Vol. 120, pp. 306-313,					
		May, 1998.					
		Grauby, S. et al.; "HIGH RESOLUTION PHOTOTHERMAL IMAGING OF HIGH FREQUENCY PHENOMENA					
		USING A VISIBLE CHARGE COUPLED DEVICE CAMERA ASSOCIATED WITH A MULTICHANNEL LOCK-IN					
		SCHEME," Review of Scientific Instruments, Vol. 70, No. 9, pp. 3603 thru 3608, September, 1999.					
		Herman, I. P.; "REAL-TIME OPTICAL THERMIMETRY DURING SEMICONDUCTOR PROCESSING,"					
		IEEE Journal of Selected Topics in Quantum Electronics, Vol. 1, No. 4, pp. 1047-1053, December, 1995.					
		Ju, S., Kading, O. et al.; "SHORT-TIMESCALE"	THERMAL MAPPING OF SEMICO	NDUCTOR DEVICES,"			
		IEEE Electron Device Letters, Vol. 18, No. 5, pp. 1					
		Kolzer, J. et al.; "THERMAL IMAGING AND MEASUREMENT OF TECHNIQUES FOR ELECTRONIC					
		MATERIALS AND DEVICES," Microelectronic Engineering, Vol. 31, pp. 251-270, (1996).					
		Kondo, Seiichi et al.; "HIGH RESOLUTION TEMPERATURE MEASUREMENT OF VOID DYNAMICS					
		INDUCED BY ELECTROMIGRATION IN ALUMINUM METALLIZATION," Applied Physics Letters,					
		Vol. 67, No. 11, pp. 1606-1608, September, 1995.					
		Langer, G. et al.; "THERMAL CONDUCTIVITY OF THIN METALLIC FILMS MEASURED BY PHOTOTHERMAI					
		PROFILE ANALYSIS," Review of Scientific Instruments, Vol. 68, No. 3, pp. 1510-1513, March, 1997.					
7 V A B # T B 1 T P	D		DATE CONSIDERED				
EXAMINE	K		DATE CONSIDERED				
	-						
		if citation considered, whether or not citation is in conform	ance with MPEP Section 609; Draw line the	rough citation if not in conformance and			

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*EXAMINER	OTHER DOCUMENTS (Including Author, Ti	tle, Date, Pertinent Pages, Etc.)			
INITIAL	Lee A. and Norris, P.M.; "A NEW OPTICAL M		CE TEMPERATURE		
	AT LARGE INCIDENT PROBE ANGLES," Review of Scientific Instruments, Vol. 68, No. 2, pp. 1307-1311,				
	February, 1997.	, , .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Litvinenko, S. et al.; "APPLICATION OF DYNAMICAL OPTICAL REFLECTION THERMOGRAPHY(DORT)				
	FOR DETECTING OF DARK CURRENT INHO	FOR DETECTING OF DARK CURRENT INHOMOGENEITY IN SEMICONDUCTOR DEVICES,"			
	Applied Surface Science, Vol. 137, pp. 45-49, (1999)	Applied Surface Science, Vol. 137, pp. 45-49, (1999)			
	Mansanares, A. et al.; "TEMPERATURE MEASI	Mansanares, A. et al.; "TEMPERATURE MEASUREMENTS OF TELECOMMUNICATION LASERS ON A			
2	MICROMETRE SCALE," Electronics Letters, Vo	MICROMETRE SCALE," Electronics Letters, Vol. 29, No. 23, pp. 2045-2047, (1993).			
	Phan, T.; "THERMOREFLECTANCE MEASUR				
	INTEGRATED CIRCUITS: APPLICATION TO Microelectronics Journal, Vol. 29, pp. 181-190, (19	INTEGRATED CIRCUITS: APPLICATION TO THERMAL CONDUCTIVITY IDENTIFICATION," Microelectronics Journal, Vol. 29, pp. 181-190, (1998).			
	Quintard, V. et al.; "TEMPERATURE MEASUR	EMENT OF METAL LINES UNDER	CURRENT STRESS		
	BY HIGH-RESOLUTION LASER PROBING," I	EEE Transactions on Instrumetnation	and Measurement,		
	Vol. 48, No. 1, pp. 69-74, February, 1999.				
	Willenborg, A. et al.; "DETECTION OF THERM	AL WAVES THROUGH OPTICAL F	REFLECTANCE,"		
	Applied Physics Letters, Vol. 46, No. 11, pp. 1013-	1015, June, 1985.			
	Spirig, T.; "THE LOCK IN CCD-TWO DIMENS	Spirig, T.; "THE LOCK IN CCD-TWO DIMENSIONAL SYNCHRONOUS DETECTION OF LIGHT,			
	IEEE Journal of Quantum Electronics, Vol. 31, No.	o. 9, pp. 1705-1708, September, 1995.			
	Vertikov, M. et al.; "TIME RESOLVED PUMP-P	ROBE EXPERIMENTS WITH SUBV	VAVELENGTH		
	LATERAL RESOLUTION," Applied Physics Let	LATERAL RESOLUTION," Applied Physics Letters, Vol. 69, No. 21, pp. 2465-2467, October, 1996.			
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	tial if citation considered, whether or not citation is in conform	ance with MPEP Section 609; Draw line th	rough citation if not in conformance and		